

Title (en)
Mobile telephone

Title (de)
Tragbares Telefon

Title (fr)
Téléphone portable

Publication
EP 2200260 A1 20100623 (FR)

Application
EP 08291218 A 20081219

Priority
EP 08291218 A 20081219

Abstract (en)
The telephone has a ringing mechanism (1) including a sound element e.g. tube (10), for producing a musical note. The mechanism includes an actuator member e.g. impact hammer (8), which is in mechanical contact with the sound element so as to enable the sound element to produce a sound. An electronic control unit controls the ringing mechanism, and comprises a microcontroller connected to a main processor. The microcontroller has an output that is connected to a rotating electric motor via an amplification circuit.

Abstract (fr)
Le téléphone portable selon l'invention est caractérisé par le fait qu'il comprend un mécanisme de sonnerie (1) comprenant au moins un élément sonore (10) et au moins un organe actionneur (8) apte à venir en contact mécanique avec l'élément sonore (10) pour lui faire produire un son, et des moyens électroniques de commande du mécanisme de sonnerie.

IPC 8 full level
H04M 1/21 (2006.01); **G04B 21/00** (2006.01); **G04B 23/00** (2006.01); **G10K 1/00** (2006.01); **H04M 19/04** (2006.01); **H04M 1/02** (2006.01)

CPC (source: EP US)
G04B 23/005 (2013.01 - EP US); **H04M 1/21** (2013.01 - EP US); **H04M 19/04** (2013.01 - EP US); **H04M 1/0283** (2013.01 - EP US)

Citation (applicant)
FR 2008051554 W 20080901

Citation (search report)

- [X] US 2007125636 A1 20070607 - KARAN BILGI [SE], et al
- [A] US 3029593 A 19620417 - GERACE FRANK J
- [A] US 6009167 A 19991228 - CHIANG JUNG-HSUN [TW]
- [A] EP 0506179 A1 19920930 - ERICSSON RADIO SYSTEMS BV [NL]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2200260 A1 20100623; EP 2200260 B1 20121017; CN 102257796 A 20111123; CN 102257796 B 20140305; JP 2012513143 A 20120607; US 2011244926 A1 20111006; US 8423091 B2 20130416; WO 2010070408 A1 20100624

DOCDB simple family (application)
EP 08291218 A 20081219; CN 200980150900 A 20091209; IB 2009007679 W 20091209; JP 2011541626 A 20091209; US 200913133676 A 20091209